APT CENTER
TECHNICAL FOUNDATIONS FOR CLINICAL INNOVATIONS
A VA Research Center of Excellence

APT Center Awarded Three New Grants!

The Advanced Platform Technology (APT) Center of Excellence was recently awarded three new grants!

	Status	Investigator	Title	Sponsor	Period	Total Award
1.	Ongoing	Bogie (PI) Capadona (Co-PI) Weder (Co-PI)	Advances in Pressure Relief Technology using Dynamic Materials	VA RR&D	N/A	$10,000
2.	Ongoing	Capadona	Associate Investigator Career Development	VA RR&D	9/06-10/08	N/A
3.	Ongoing	Zorman (PI) Tyler (Co-PI)	A Microfabricated Neural Electrode Array Technology for Long-Term Implant Applications	NSF	9/06-9/09	$240,000
	Grand Total			**3**		**$ 250,000**

1. Advances in pressure relief technology using dynamic material

Principal Investigator: Katherine M. Bogie, D. Phil.

Co-Investigators: Jeffrey R. Capadona, Ph.D. & Christoph Weder, Ph.D.

The overall study objective is to develop a range of support surface devices, including wheelchair cushions and mattress overlays that will provide highly cost-effective pressure relief for individuals at increased risk of tissue breakdown.

2. Associate Investigator Award

Associate Investigator: Jeffrey R. Capadona, Ph.D.

The purpose of this award is to provide a mentored research development experience to a very select number of highly qualified clinicians and non-clinicians

who have demonstrated abilities in key areas, who present a well-articulated and well-designed career development plan that articulates clear commitment to VA, under exceptional mentors who demonstrate commitment and capacity to mentor the individual. The award provides salary support for up to two years.

3. A Microfabricated Neural Electrode Array Technology for Long-Term Implant Applications

Principal Investigator: Christian A. Zorman, Ph.D.

Co-Investigator: Dustin J. Tyler, Ph.D.

The overall study objective is to develop a robust, low-temperature silicon carbide (SiC) thin film deposition technology for polymer substrates and will incorporate these films in flexible, highly-functional microssytems that are impervious to the penetration and diffusion of aqueous solutions and thus immune to the damaging effects that result from such incursions.